

Supplementary information

Four-item pre-checklist for content validity in AI-based depression screening

Item	Score
1. Working definition of depression stated in the study?	Yes No <input type="checkbox"/> <input type="checkbox"/>
2. Does definition fit current clinical standard? E.g. DSM-V, ICD-11?	Yes No <input type="checkbox"/> <input type="checkbox"/>
3. Consultation with psychiatric or clinical experts?	Yes No <input type="checkbox"/> <input type="checkbox"/>
4. Heterogeneity of results (Give brief description)	Yes No <input type="checkbox"/> <input type="checkbox"/>
Total score Yes=1; No = 0	

COSMIN Checklist for content validity

Box D. Content validity (including face validity)				
<i>General requirements</i>		yes	no	?
1	Was there an assessment of whether all items refer to relevant aspects of the construct to be measured?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Was there an assessment of whether all items are relevant for the study population? (e.g. age, gender, disease characteristics, country, setting)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Was there an assessment of whether all items are relevant for the purpose of the measurement instrument? (discriminative, evaluative, and/or predictive)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Was there an assessment of whether all items together comprehensively reflect the construct to be measured?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Were there any important flaws in the design or methods of the study?	<input type="checkbox"/>	<input type="checkbox"/>	

Source: Mokkink et al. 2010. Qual Life Res (2010) 19:539–549